

SEP 20 1971

# The RAND Corporation

1700 MAIN ST. • SANTA MONICA • CALIFORNIA 90406

15 September 1971

Dr. Joshua Lederberg, Head  
Department of Genetics  
School of Medicine  
Stanford University  
Palo Alto, California 94304

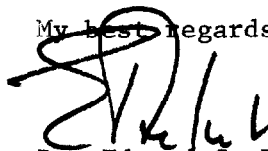
Dear Dr. Lederberg:

While at the Washington ARPA office last week, Dr. James Anliker happened to mention that you were interested in the automatic construction of unique models of patient chemistry. I do not know the precise area of your interest, though it may have to do with the use of a spectrometer for indentifying unique chemical patterns.

You may be interested in the enclosed report written some time ago as Magnier's Ph.D. thesis. Here we are concerned with construction of electrolyte and fluid distribution models. One of the things which would simplify our work would be to reliably obtain cellular data essentially "on-line," although as we discuss briefly and have shown elsewhere, that data is not necessary in most cases.

Perhaps next time you are in the area you could stop in. It would be a pleasure to meet you and show you around.

My best regards,



Dr. Edward C. DeLand  
Physical Sciences Department

ECD:bg

Enclosure: RM-5396-PR